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(54) **METHOD FOR FRACTIONAL DETERMINATION  
 OF FREE ACTIVATED MATRIX  
 METALLOPROTEASE**

(57) Abstract:

**PURPOSE:** To provide a simple and quick fractional determination method of activated matrix metalloproteases(MMPs) directly related to decomposition of matrix components among the MMPs existing in a tissue or humor to enable diagnosis or monitor of pathology such as a disease aggravated by activation of the MMPs, arthrosis, infiltration or metastasis of cancer and pulmonary fibrosis.

and quick fractional determination of activated MMPs with simple operation and reagent, a combination of monoclonal antibodies specifically bonding to each MMP and a tissue inhibitor of metalloprotease(TIMPs) or a composite comprising TIMPs and monoclonal antibodies specifically bonding to each TIMP is used. In particular, one of solid phase carrier bonding substance and a label applying substance is a monoclonal antibody specifically bonding to the matrix metalloprotease, while the other is an inhibitor of the matrix metalloprotease, wherein they are preferably used respectively in combination.

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